

Claims

1. Process for accurately timed automatic alteration of electrical signals stored on a signal carrier, in particular magnetically recorded audio signals and video signals, during the transmission of the original signal to a signal receiver, in which process correction signals provided with a time code are stored, which correction signals are, during the transmission of the original signals, supplied synchronously with the original signals to one or more direct-voltage-controlled setting elements, which influence the original signals in the sense of the desired alteration, characterised
- in that first of all, the original signals are digitized and, provided with a time code, are supplied to a computer and stored in the memory unit thereof,
  - in that the original signals stored digitally in the computer are then processed independently of the original recording by graphically representing, preferably in analog form, the digital original signals stored in the computer and a check is made in this representation for spots to be altered, and the correction signals are selected in accordance with the desired alterations and, provided with a time code, are input directly into the computer by means of suitable software, and
  - in that finally these stored correction signals that are provided with a time code are supplied synchronously to the setting elements during the transmission of the original signals from the signal carrier to the signal receiver.
2. Process according to claim 1, characterised in that the process in accordance with the invention is used for processing audio signals, in particular during

the stereo mixing of audio signals present on multi-channel sound recording devices.

3. Process according to claim 1, characterised in that the process in accordance with the invention is  
5 used for processing video signals, in particular magnetically recorded video signals (Magnetic Recording and Video).

4. Process according to claim 1, characterised in that the process in accordance with the invention is  
10 used in automatic control technology for providing a control program or a control circuit.

5. Process according to any of claims 1 to 4 for the correction of complex original signals,  
characterised in that the envelope curve of the complex  
15 original signal is established and represented graphically in the computer, and in that the check for spots to be processed and the desired corrections are carried out with the aid of these envelope curves.

6. Process according to any of claims 1 to 5,  
20 characterised in that the graphical representation takes place by means of a screen.

7. Process according to any preceding claim for multi-channel signal carriers with analog original signals, characterised in that the analog-to-digital  
25 converter for digitization of the analog original signal has a channel selection function which can preferably be controlled by way of the computer, and a plurality or all of the channels of the signal carrier can be digitized by way of this common analog-to-  
30 digital converter.

8. Process according to one of the preceding claims, characterised in that the direct-voltage-controlled setting element is connected, with  
intermediate connection of voltage holding elements, to  
35 a plurality of effect processors, which influence the original signal reproduced from the signal carrier, and

in that the setting element has a distributor function,  
which can preferably be controlled by way of the  
computer.